Fairholme College

ACADEMIC PROGRAMS

Semester I

Year 12

Mathematics C

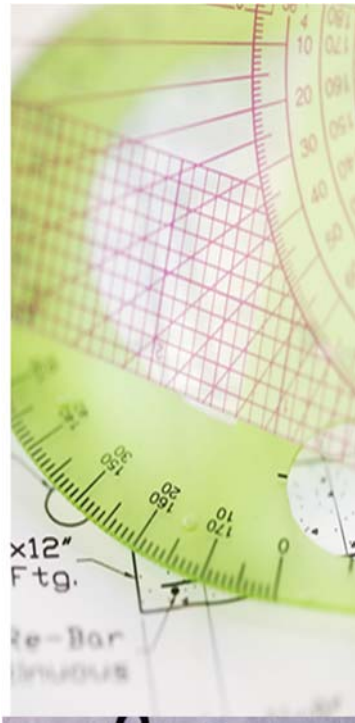
Disclaimer

Under QSA guidelines summative assessment depends on the fullest and latest information on a student's performance, based on a process of continuous assessment. This gives a stability to teacher judgments and shows how students progress. Thus formative assessment informs the end-of-course summative judgment.

And

Unless otherwise specified Year 11 Assessment is Formative and Year 12 Assessment is Summative.

FAIRHOLME MATHEMATICS DEPARTMENT



Course: YEAR 12 MATHEMATICS C

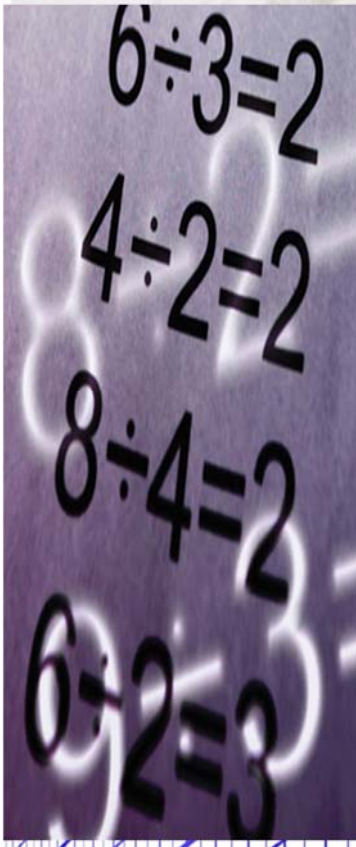
Outline: SEMESTER 1, 2017

Term One

- **Advanced Periodic and Exponential Functions**- Exact values and Pythagorean relationships (Ex. 7A-B)
- **Structures and Patterns** – Mathematical Induction and Finite Differences (Ex. 6B-C)
- **Real and Complex Numbers** – Factorising polynomials in the complex plane (Ex. 1A-C)
- **Matrices and Applications** – Markov chains, Eigenvalues, Leontief and Leslie Matrices (Ex. 2A-C)

Term Two

- **Real and Complex Numbers** – graphs, trigonometry and de Moivre's Theorem (Ex. 1D, 8A, 6B)
- **Advance Periodic and Exponential Functions** - graphing reciprocal functions, addition identities (Ex. 7D-E)
- **Vectors and applications** – booklet
- **Integration** – Ex.4B



Assessment Summary:

Term One

Week	Date	Assessment Task	Formative/Summative
3-6	10-27 February	Extended Problem Solving	Summative
9-10	22-27 March	Exams	Summative

Term Two

Week	Date	Assessment Task	Formative/Summative
7-8	31 May-7 June	Exams	Summative